

STEREOSCOPIC PICTURE DISPLAY DEVICE

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Inventor: HOSHINO HARUO; MOTOKI NORIO; FUJII MASATO

Applicant: JAPAN BROADCASTING CORP

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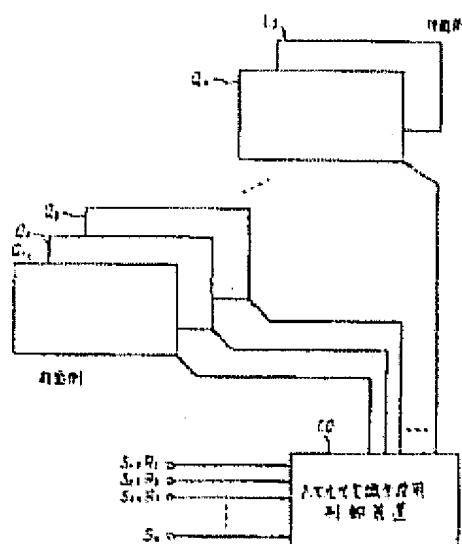
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Abstract of JP3226095

PURPOSE: To realize stereoscopic picture display without eyeglass with less limit of a visual position attended with a natural motion parallax by arranging plural two- dimension optical modulation means side by side in the direction of depth able to control light shield or light transmission for each picture element and using a controller provided separately so as to control the two-dimension optical modulation means. **CONSTITUTION:** Two-dimension modulation means Q_m ($m=1-n$) able to control the light transmission state from a rear face for each picture element are prepared and n -set of the means are arranged in the depth direction. Let a two-dimension optical modulation means placed most this side with respect to the observer observing the display device be the means Q_1 . Then a stereoscopic picture is displayed by allowing a two-dimension optical modulation use controller DC to control the two-dimension optical modulation means Q_1-Q_n as follows. That is, one of the two-dimension optical modulation means Q_1-Q_n is selected as a main modulation means, on which a picture is displayed, light is transmitted in the two-dimension optical modulation means remote from the observer and the two-dimension optical modulation means close to the observer shields the light based on a background signal generated separately and all the two-dimension optical modulation means are controlled to be in use as the main modulation means in time division.

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